

# Peaceful Nuclear Cooperation

U.S. Support for NPT Article IV

## UNITED STATES & UNITED ARAB EMIRATES

**T**hrough the International Atomic Energy Agency (IAEA), the United States contributes to the work of many countries using nuclear materials and technology for peaceful purposes. In recent years, U.S. support has focused on achieving tangible and lasting benefits in fields that are vital to human development, including agriculture, human health, water resource management, and human resource development. Since 2000, the IAEA has approved and funded \$3,044,155, including \$221,436 in 2013, under its Technical Cooperation (TC) program for projects in the United Arab Emirates.

In addition to the United States' longstanding support for the IAEA's activities to promote peaceful nuclear applications, at the 2010 NPT Review Conference, the United States announced a \$100 million USD effort to expand this support over the next five years. The United States has pledged \$50 million towards the IAEA's Peaceful Uses Initiative (PUI), focusing on human health, food security, water resource management, and nuclear power infrastructure development.



2007 IAEA-Argonne international seminar on nuclear security. Credit: Argonne National Laboratory

The United States views its support for peaceful uses of nuclear energy, to which all NPT Parties are entitled, as a critical part of its broader effort to strengthen the IAEA and the global nuclear nonproliferation regime. The U.S. has already designated over \$22 million for IAEA projects benefitting over 120 countries, including the United Arab Emirates, for which funding was previously unavailable. The United States is working with partners to reach the \$100 million goal, and welcomes commitments of over \$12 million from Japan, the Republic of Korea, New Zealand, the Czech Republic, Hungary, Sweden, Australia, France, Indonesia, Brazil, Italy, the UK and Kazakhstan.

### NUCLEAR ENERGY

To consider nuclear power Member States need comprehensive and credible information on issues such as cost and benefit, energy security and environmental impact to support their decision making. The United Arab Emirates recently participated in a regional TC project supported by the United States that provided comprehensive information to Member States to support their decision making regarding nuclear power planning and development.

### NUCLEAR SAFETY

The United Arab Emirates recently participated in a regional TC project supported by the United States to strengthen the remaining elements of its national regulatory framework for radiation safety to meet international safety standards as well as to establish a regional network of regulatory authorities to exchange information and share experiences.

### HUMAN RESOURCES

Since 2000, the United States has hosted multiple training courses that included Emirati participants in fields such as nuclear security, nuclear information processing, and nuclear power infrastructure and programs. Training was also provided through the IAEA Fellowship Program to three Emiratis in the fields of nuclear and atomic physics and the application of isotopes and radiation. Additionally, since 2000, 11 U.S. experts have traveled to UAE to collaborate through various IAEA Technical Cooperation projects.

**T**hrough bilateral efforts, the United States has provided support to the United Arab Emirates. In 2010, the U.S. Department of Energy (DOE) began collaboration with the United Arab Emirates in regards to State Systems of Accounting for and Control of Nuclear Materials (SSAC) development and other infrastructure development topics. Additionally, the U.S. International Nuclear Safeguards and Engagement Program (INSEP) engages Member States with sound plans to establish safety, security, and nonproliferation infrastructures that are necessary for a responsible civil nuclear energy power program. INSEP has collaborated with the UAE in SSAC development, Additional Protocol implementation, radiation protection and health physics, environmental radiological monitoring, and quality assurance and control. In 2012, DOE provided \$285,000 to assist the United Arab Emirates with the above mentioned projects.

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